



**PROPOSED SIGNS**

11  
Avery RD  
D-3(1)  
(VAR. x16")  
DUAL FACE  
BAGGED IN  
THIS PHASE

12  
Avery RD  
D-3(1)  
(VAR. x16")  
DUAL FACE  
BAGGED IN  
THIS PHASE

13  
LEFT TURN  
YIELD  
ON GREEN  
R10-12  
(30"x36")  
BAGGED IN  
THIS PHASE

14  
LEFT TURN  
YIELD  
ON GREEN  
R10-12  
(30"x36")  
BAGGED IN  
THIS PHASE

15  
Muncaster Mill RD  
D-3(1)  
(VAR. x16")

16  
WEST EAST  
MARYLAND  
115  
M95-1  
(96"x24")

**PROPOSED SIGNALS**

1, 2, 4, 7  
12" (R, Y, G)

3  
12" (R, Y, G)

5  
12" (R, Y, G)  
BAGGED IN  
THIS PHASE

6, 9  
12" (R, Y, G)  
BAGGED IN  
THIS PHASE

8  
12" (R, Y, G)

10  
12" (R, Y, G)  
BAGGED IN  
THIS PHASE

a, b  
PROPOSED VIDEO  
DETECTION

**NEMA PHASING**

Ø2 Ø4  
Ø5 Ø6

FLASHING  
OPERATION

NOTE:  
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

- CONSTRUCTION DETAILS**

  - A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 50 FT. AND 60 FT. MAST ARMS (NOTE: 50 FT. MAST ARM CUT DOWN TO 38' ) WITH SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND WITH PHOTOCELL AND BACKGUY AND ANCHOR ASSEMBLIES (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 298+95, 33' LT.
  - B. INSTALL 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE WITH PHOTOCELL AND OVERHEAD VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE.
  - C. INSTALL 3/8 IN. SPAN WIRE AND 1/4 IN. TETHER WIRE WITH SIGNAL HEADS AND SIGNS TO EXISTING STRAIN POLE AND PROPOSED MAST ARM POLE.
  - D. INSTALL HANDHOLE.
  - E. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
  - F. REMOVE EXISTING STRAIN POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
  - G. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
  - H. USE EXISTING CONDUIT.
  - J. USE EXISTING HANDHOLE.
  - K. USE EXISTING CONTROLLER AND CABINET (CONTROLLER AND CABINET EQUIPMENT SHALL BE RETROFITTED TO OPERATE VIDEO DETECTION BY MCDPW&T FORCES).
  - L. INSTALL 20 FT. LIGHTING ARM WITH OVERHEAD VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE.
  - M. INSTALL BACKGUY AND ASSEMBLIES ON EXISTING STRAIN POLE.
  - N. USE EXISTING SPAN WIRE.
- GENERAL NOTES**

  - 1. CONTACT MR. BOB GONZALES OF MONTGOMERY COUNTY'S TRANSPORTATION MANAGEMENT CENTER AT (210) 777-8761 AT LEAST 1 WEEK PRIOR TO STARTING SIGNAL WORK.
  - 2. BEFORE ANY DIGGING, CONTACT MONTGOMERY COUNTY'S TRANSPORTATION MANAGEMENT CENTER AT (240) 777-2100 48 HOURS PRIOR TO MARKING THE EXISTING TRAFFIC SIGNAL EQUIPMENT.
  - 3. CONTACT MCDPW&T TO SCHEDULE TEMPORARY RETROFITTING OF CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION. VIDEO DETECTION LOCATION / ALIGNING SHALL BE COORDINATED WITH MR. BOB GONZALES OF THE MONTGOMERY COUNTY'S TRANSPORTATION MANAGEMENT CENTER.
  - 4. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND/OR CABINET LOCATIONS PRIOR TO INSTALLATION.
  - 5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED IN THIS PHASE OF MOT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
  - 6. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
  - 7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
  - 8. TRAFFIC SIGNAL HEADS 5, 6, 9, 10 AND SIGNS 11, 16 SHALL BE BAGGED IN THIS PHASE AND SHALL BE MADE OPERATIONAL IN MOT PHASE 2.
  - 9. THE CONTRACTOR SHALL INSTALL 75 FT. SLACK CABLE (PER HEAD) FOR TRAFFIC SIGNAL HEADS 1 AND 2 AND 25 FT. SLACK CABLE (PER HEAD) FOR TRAFFIC SIGNAL HEADS 9 AND 10 TO REALIGN SIGNAL HEADS IN FORTHCOMING MOT PHASES.
  - 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.

**GEOMETRIC LEGEND**

===== EXISTING  
===== PROPOSED

**UTILITY LEGEND**

SD - STORM DRAIN  
G - GAS MAIN  
W - WATER MAIN  
S - SEWER MAIN  
E - ELECTRIC CABLES  
A - AERIAL CABLES  
T - TELEPHONE CABLES  
I/C - TELEPHONE CABLES

**MAINTENANCE OF TRAFFIC LEGEND**

WORK THIS PHASE

TEMPORARY PAVEMENT

TEMPORARY CONCRETE TRAFFIC BARRIER

TEMPORARY CRASH CUSHION, SAND FILLED PLASTIC BARRELS

PLASTIC DRUMS

**REVISIONS**


**APPROVALS**

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

TEMPORARY TRAFFIC SIGNAL PLAN

**MD 115 (MUNCASTER MILL ROAD)**

**AT AVERY ROAD**

DRAWN BY: W. MALCOLM  
CHECKED BY: J. MALCOLM  
SCALE: 1" = 20'  
DATE: JANUARY, 1990

F.A.P. NO. \_\_\_\_\_  
S.H.A. NO. \_\_\_\_\_  
COUNTY: MONTGOMERY  
LOG MILE: 1501503.68

TS NO. TS-4223  
T.I.M.S. NO. F-489  
SHEET NO. 37 OF 51

**SABRA, WANG & ASSOCIATES, INC.**

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